



without references

Sheet

1 of

6

Form PTO-1449

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**

(Use several sheets if necessary)

Docket Number (Optional)
2880(203-3440)Application Number
10/728,212Applicant
David S. KeppelFiling Date
December 4, 2003Group Art Number
3739**U.S. PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
<i>RLG</i>	4,848,335	7/18/89	Manes			
	5,019,176	5/2891	Brandhorst, Jr.			
	5,087,257	2/11/92	Farin			
	5,108,391	4/28/92	Flachenecker			
	5,162,217	11/10/92	Hartman			
	5,196,008	3/23/93	Kuenecke			
	5,267,997	12/7/93	Farin			
	5,300,070	4/5/94	Gentelia			
	5,383,874	1/24/95	Jackson			
	5,409,485	4/25/95	Suda			
	5,432,459	7/11/95	Thompson			
	5,436,566	7/25/95	Thompson			
	5,445,635	8/29/95	Denen			
	5,540,683	7/30/96	Ichikawa			
	5,558,671	9/24/96	Yates			
	5,573,533	11/12/96	Strul			
	5,647,869	7/15/97	Goble			
	5,647,871	7/15/97	Levine			
	5,722,975	3/3/98	Edwards			
	5,755,715	5/26/98	Stern			
	5,769,847	6/23/98	Panescu			
	5,797,802	8/25/98	Nowak			
	5,830,212	11/3/98	Cartmell			
	5,836,990	11/17/98	Li			
<i>✓</i>	5,931,836	8/3/99	Hatta			

Examiner

Roy D. Gibson

Date Considered

12/22/05

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U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
RDg	5,951,545	9/14/99	Schilling			
	6,063,075	5/16/00	Mihori			
	6,113,596	9/5/00	Hooven			
	6,228,081	5/8/01	Goble			
	6,231,569	5/15/01	Bek			
	6,238,388	5/29/01	Ellman			
	6,245,065	6/12/01	Panescu			
	6,261,285	7/17/01	Novak			
	6,273,886	8/14/01	Edwards			
	6,275,786	8/14/01	Daniers			
	6,293,941	9/25/01	Strul			
	6,309,386	10/30/01	Bek			
	6,338,657	1/15/02	Harper et al.			
	6,358,245	3/19/02	Edwards			
	6,398,779	6/4/02	Buyse			
	6,458,121	10/1/02	Rosenstock			
	6,464,689	10/15/02	Qin			
	6,464,696	10/15/02	Oyama			
	6,508,815	1/21/03	Strul			
	6,547,786	4/15/03	Goble			
	6,562,037	5/13/03	Paton			
	6,623,423	9/23/03	Sakurai			
	6,635,057	10/21/03	Harano			
	6,648,883	11/18/03	Francischelli			
	6,652,514	11/25/03	Ellman			
✓	6,663,624	12/16/03	Edwards			

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U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
<i>R Dg</i>	6,666,860	12/23/03	Takahashi			
	6,679,875	1/20/04	Honda			
	6,685,700	2/3/04	Behl			
	6,692,489	2/17/04	Heim			
	6,712,813	3/30/04	Ellman			
	6,730,080	5/4/04	Harano			
	6,733,495	5/11/04	Bek			
	6,733,498	5/11/04	Paton			
	6,740,079	5/25/04	Eggers			
	6,740,085	5/25/04	Hareyama			
	6,783,523	8/31/04	Qin			
	6,790,206	9/14/04	Panescu			
	6,796,981	9/28/04	Wham			
	6,824,539	11/30/04	Novak			
	6,830,569	12/14/04	Thompson			
	6,843,789	1/18/05	Goble			
	6,849,073	2/1/05	Hoey			
	6,855,141	2/15/05	Lovewell			
	6,855,142	2/15/05	Harano			
	6,860,881	3/1/05	Sturm			
	6,864,686	3/8/05	Novak			
	6,875,210	4/5/05	Refior			
	6,893,435	5/17/05	Roane			
<i>4</i>						

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	Applicant David S. Keppel	
	Filing Date December 4, 2003	Group Art Number 3739

U.S. PUBLISHED PATENT APPLICATION DOCUMENTS

Examine Initial	Document Number	Publication Date	Name	Class	Subclass	Filing Date if Appropriate
<i>RDY</i>	US2002/0035364 A1	3/21/02	Schoenman et al.			
	US2002/0068932 A1	6/6/02	Edwards			
	US2002/0193787 A1	12/19/02	Qin			
	US2003/0078572 A1	4/24/03	Pearson et al.			
	US2003/0153908 A1	8/14/03	Goble			
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	US2004/0019347 A1	1/29/04	Sakurai			
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	US2004/0097914 A1	5/20/04	Pantera			
	US2004/0097915 A1	5/20/04	Refior			
	US2004/0116919 A1	6/17/04	Heim			
<i>✓</i>	US2004/0133189 A1	7/8/04	Sakurai			

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FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
<i>RW</i>		EP836,868		EP				
		EP878,169		EP				
		EP1293171	Mar. 2003	EP				
		DE19717411 A1		DE				
		WO 03/092520	Nov. 2003	PCT				
<i>↓</i>		WO 05/060365	Nov. 2003	PCT				

OTHER DOCUMENTS

<i>RW</i>	International Search Report - PCT/US03/37110
	International Search Report - PCT/US03/37310
	International Search Report - EP4009964
	International Search Report - EP98300964.8
	International Search Report - EP04015981.6
	Chicharo et al. "A Sliding Goertzel Algorithm" August 1996, pgs. 283-297
	SIGNAL PROCESSING, ELSEVIER SCIENCE PUBLISHERS B.V. AMSTERDAM, NL vol. 52 no. 3
	Ogden "Goertzel Alternative to the Fourier Transform: June 1993 pgs. 485-487
<i>↓</i>	ELECTRONICS WORLD; REED BUSINESS PUBLISHING, SUTTON, SURREY, BG vol. 99, no 9. 1687

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